

Title (en)

HEAT EXCHANGER MANUFACTURING METHODS AND BRAZING FILLER METAL COMPOSITIONS USEFUL THEREIN

Title (de)

VERFAHREN ZUM HERSTELLEN VON WÄRMETAUSCHERN UND GEEIGNETE METALLISCHE ZUSAMMENSETZUNGEN ZUM LÖTEN

Title (fr)

PROCEDES PERMETTANT DE PRODUIRE UN ECHANGEUR DE CHALEUR ET COMPOSITIONS DE METAL D'APPORT POUR BRASAGE UTILES POUR CES PROCEDES

Publication

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Application

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Abstract (en)

[origin: WO022299A1] Methods for the manufacture of assemblies which included brazed components and in which nickel/chromium-based filler metals are used wherein the manufactured assemblies are characterized by low leaching rates of nickel in water and water-based fluids, are disclosed. More specifically, there are disclosed methods for the manufacture of a heat exchanger or other assembly which method includes a brazing step, as well as a post-brazing conditioning step for treating the heat exchanger or other assembly. The manufactured heat exchangers and other assemblies are particularly useful in the handling of materials intended for human consumption such as water, beverages or food as the manufactured heat exchangers or other assemblies are characterized by reduced leaching rates of nickel into fluids passed through the heat exchanger. Brazing compositions useful in such manufactured assemblies are also described.

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